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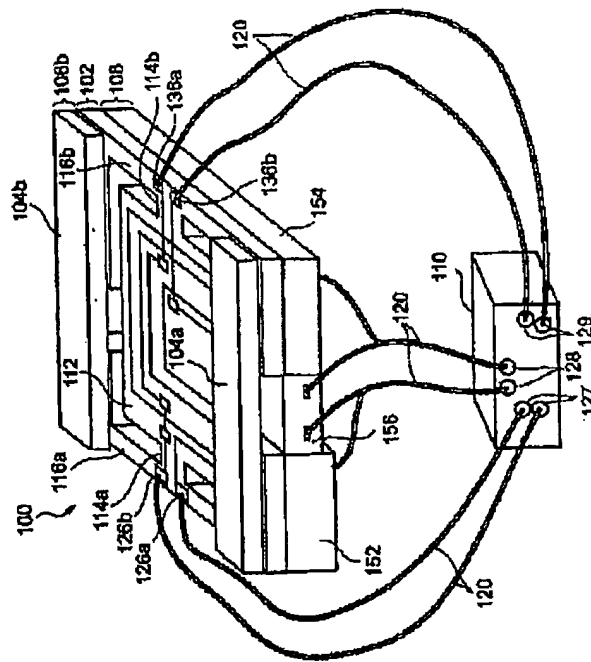
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APPLICANT : OLYMPUS OPTICAL CO LTD;

INVENTOR : ASAOKA NOBUYOSHI;

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TITLE : LIGHT DEFLECTOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a light deflector capable of driving a movable plate at a desired deflection angle and with a desired frequency.

SOLUTION: The light deflector 100 has a vibrating unit part 106 consisting of a light deflection mirror part 102 and a pair of permanent magnets 104a, 104b, and a characteristics adjustment mechanism 108 for adjusting the characteristics of the light deflection mirror part 102. The light deflection mirror part 102 has the movable plate 112, a pair of elastic members 114a, 114b which support the plate 112 oscillatably, and a pair of supporting bodies 116a, 116b which support them. The movable plate 112 has a mirror 142 for reflecting a light beam and a drive coil 122 going around the inside. The characteristics adjustment mechanism 108 includes, a pair of fixing members 152, 154 holding a pair of supporting bodies 116a, 116b, and an interval controlling means for changing the interval of these fixing members 152, 154, for example, a pair of piezoelectric elements 156 connecting a pair of fixing members 152, 154.

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